

SEQUENCE LISTING

<110> Sheen, Jen

<120> Calcium Dependent Protein Kinase
Polypeptides as Regulators of Plant Disease Resistance

<130> 00786/389002

<150> US 60/201,925

<151> 2000-05-05

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 495

<212> PRT

<213> Arabidopsis thaliana

<400> 1

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Tyr Gln Thr Pro Arg Leu Arg Asp His Tyr Leu Leu Gly Lys Lys Leu
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Gly Gln Gly Gln Phe Gly Thr Thr Tyr Leu Cys Thr Glu Lys Ser Thr
          35           40           45
Ser Ala Asn Tyr Ala Cys Lys Ser Ile Pro Lys Arg Lys Leu Val Cys
          50           55           60
Arg Glu Asp Tyr Glu Asp Val Trp Arg Glu Ile Gln Ile Met His His
          65           70           75           80
Leu Ser Glu His Pro Asn Val Val Arg Ile Lys Gly Thr Tyr Glu Asp
          85           90           95
Ser Val Phe Val His Ile Val Met Glu Val Cys Glu Gly Gly Glu Leu
          100          105          110
Phe Asp Arg Ile Val Ser Lys Gly His Phe Ser Glu Arg Glu Ala Val
          115          120          125
Lys Leu Ile Lys Thr Ile Leu Gly Val Val Glu Ala Cys His Ser Leu
          130          135          140
Gly Val Met His Arg Asp Leu Lys Pro Glu Asn Phe Leu Phe Asp Ser
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Pro Lys Asp Asp Ala Lys Leu Lys Ala Thr Asp Phe Gly Leu Ser Val
          165          170          175
Phe Tyr Lys Pro Gly Gln Tyr Leu Tyr Asp Val Val Gly Ser Pro Tyr
          180          185          190
Tyr Val Ala Pro Glu Val Leu Lys Lys Cys Tyr Gly Pro Glu Ile Asp
          195          200          205
Val Trp Ser Ala Gly Val Ile Leu Tyr Ile Leu Leu Ser Gly Val Pro
          210          215          220
Pro Phe Trp Ala Glu Thr Glu Ser Gly Ile Phe Arg Gln Ile Leu Gln
          225          230          235          240

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<212> PRT

<213> Arabidopsis thaliana

<400> 3

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Met Glu Lys Pro Asn Pro Arg Arg Pro Ser Asn Ser Val Leu Pro Tyr
 1          5          10          15
Glu Thr Pro Arg Leu Arg Asp His Tyr Leu Leu Gly Lys Lys Leu Gly
 20          25          30
Gln Gly Gln Phe Gly Thr Thr Tyr Leu Cys Thr Glu Lys Ser Ser Ser
 35          40          45
Ala Asn Tyr Ala Cys Lys Ser Ile Pro Lys Arg Lys Leu Val Cys Arg
 50          55          60
Glu Asp Tyr Glu Asp Val Trp Arg Glu Ile Gln Ile Met His His Leu
 65          70          75          80
Ser Glu His Pro Asn Val Val Arg Ile Lys Gly Thr Tyr Glu Asp Ser
 85          90          95
Val Phe Val His Ile Val Met Glu Val Cys Glu Gly Gly Glu Leu Phe
100          105          110
Asp Arg Ile Val Ser Lys Gly Cys Phe Ser Glu Arg Glu Ala Ala Lys
115          120          125
Leu Ile Lys Thr Ile Leu Gly Val Val Glu Ala Cys His Ser Leu Gly
130          135          140
Val Met His Arg Asp Leu Lys Pro Glu Asn Phe Leu Phe Asp Ser Pro
145          150          155          160
Ser Asp Asp Ala Lys Leu Lys Ala Thr Asp Phe Gly Leu Ser Val Phe
165          170          175
Tyr Lys Pro Gly Gln Tyr Leu Tyr Asp Val Val Gly Ser Pro Tyr Tyr
180          185          190
Val Ala Pro Glu Val Leu Lys Lys Cys Tyr Gly Pro Glu Ile Asp Val
195          200          205
Trp Ser Ala Gly Val Ile Leu Tyr Ile Leu Leu Ser Gly Val Pro Pro
210          215          220
Phe Trp Ala Glu Thr Glu Ser Gly Ile Phe Arg Gln Ile Leu Gln Gly
225          230          235          240
Lys Ile Asp Phe Lys Ser Asp Pro Trp Pro Thr Ile Ser Glu Gly Ala

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